

CLAIMS

1. A peripheral display device for contactless portable objects such as a smart card 10 enabling information associated with the use of said portable object to be displayed, characterized in that it includes at least one chip, a display means 16 and a means 18 for receiving energy and said information not connected by ohmic contact to said portable object, said receiving means being a flat coil which plays the role of the secondary of a transformer, the primary of which consists of the antenna 14 of said portable object, when the latter receives energy and information from a reader of said portable object by electromagnetic coupling.

2. The peripheral display device according to claim 1, in which said flat coil receives said energy and said information when said portable object is coupled with a reader of said portable object.

3. The peripheral display device according to claim 2, in which the energy and said information transmitted by the antenna of said portable object are generated by said portable object reader.

4. The peripheral display device according to claim 2, in which said information transmitted by the antenna of said portable object are generated by the chip of said portable object.

5. The peripheral display device according to anyone of the previous claims, in which said display means features persistent display, such that the information remains displayed on said display means for a time period greater than the average period between two transactions.

6. The peripheral display device according to claim 5, in which the long-persistence display means is a bistable liquid crystal screen.

7. The peripheral display device according to anyone of the previous claims, characterized in that it includes at least one energy storage means.

8. The peripheral display device according to claim 7 in which said energy storage means is a capacitor.

9. The peripheral display device according to claim 7 or 8, in which the display means is provided with a long-persistence screen feature owing to the energy stored in said energy storage means.

10. The peripheral display device according to any one of the previous claims, characterized in that it is integrated into said portable object, said flat coil being in the same plate as said antenna of said portable object.

11. The peripheral display device according to any one of claims 1 to 9, characterized in that it can be separated from said portable object.

12. The peripheral display device according to anyone of the previous claims, characterized in that it can send a response to said portable object reader by retromodulation, via said flat coil, coupled to the antenna of said portable object.